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Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number. Application Number Filed Herewith Substitute f r form 1449A/PTO March 17, 2004 Filing Date INFORMATION DISCLOSURE First Named Inventor: Li Liu STATEMENT BY APPLICANT Examiner: Unknown GROUP: Unknown (Use as many sheets as necessary) Sheet Attorney Docket Number TRQ-12924-1D U.S. PATENT DOCUMENTS Document Number Examiner Cited **Publication Date** Name of Patentee or Pages, Columns, Lines No. 1 MM-DD-YYYY Initials\* Number - Kind Code Applicant of Cited Document Where Relevant Passages or NAME Figures Appear DATE A01 US-3,109,992 **Elliot** 11/1963 A02 Frisch et al. 9/1966 US-3,274,505 A03 US-3,374,442 Griffin 3/1968 A04 US-3,967,207 Wheatley, Jr. 6/1976 A05 4/1984 US-4,442,407 Apel Walczak et al. 6/1985 A06 US-4,523,155 A07 Werrbach 3/1986 US-4,578,648 A08 US-4,636,741 Mitzlaff 1/1987 A09 US-4,760,347 Li et al. 7/1988 Yang 12/1988 A10 US-4,794,343 2/1991 A11 US-4,994,757 Bickley et al. A12 US-5,030,922 Rumreich et al. 7/1991 A13 US-5,081,425 Jackson et al. 1/1992 1 A14 US-5,081,713 Miyazaki 1/1992 FOREIGN PATENT DOCUMENTS Cite DATC Name of Patentee or Examiner Pages, Columns, Lines Publication Initials\* No. Foreign Patent Document NAME Date Where Relevant MM-DD-Т<sup>6</sup> Applicant of Cited Passages or Figures Cntry Code<sup>3</sup> Number<sup>4</sup> Kind Code<sup>5</sup> (Vision) YYYY Document Appear wo 10/24/1996 A15 96/33555 Kornfeld OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) MOTTOUT DATE CONSIDERED: **EXAMINER SIGNATURE:** 

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29	A16	US	US-5,126,688				anishi et al.	6/1	992		,-	
9	A17	US	US-5,129,098			Мс	Girr et al.	7/1	992			
200	A18	US	US-5,138,274			Nak	anishi et al.	8/1	992			
مريد (	A19	. US	US-5,144,258			Nal	anishi et al.	et al. 9/1992				
	A20	US	US-5,182,527			Nal	Nakanishi et al.		993			
e-	A21	US	US-5,192,919 US-5,196,806			Wie	·Vzorek	3/1	993			
Je?	A22	US				Ichi	hara	3/1	993			
e	A23	US	US-5,204,613			Crij	ops et al.	4/1	993			
La	A24	US	US-5,251,330			Chi	ba et al.	10/	1993			
111	A25	US	US-5,311,143		Soliday		· 5/1	1994				
M	A26	US	US-5,337,006			Miy	vazaki	8/1	1994			
1/2-	A27	US	-5,381,	115		Tin	mons et al.	1/1995				
11/2	A28	US	-5,404,	586		Ishi	guro	4/1995			ų.	
ar	-A29	US	-5,422,	598		Ma	eda et al.	6/1995		-		
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On	A30	US-	5,442,	317		Ste	ngel	8/1	995			
Dr	A31	US-	5,446,	756		Ma	llinckrodt	8/1995				
Els	A32	US-	5,532,	646	٠	Ail	nara	7/1996				
Con	A33	US-	5,559,	471		Bla	ıck	9/1	996	ŧ		
4/2	A34	US-	US-5,604,924			Yo	koya	2/1997		*		
Com	A35	US-	US-5,613,229			Ba	ranowski et al.	3/1997				
Un	A36	US-	US-5,629,648				Pratt		1997			
Con	A37,	US-	US-5,640,691			Da	vis et al.	, 6/1	1997			
Qu	A38	US-	US-5,659,893			En	oki et al	8/1	1997	: 21	<u>.</u>	
gn	A39:	US-	5,678,	209	5	Sra	kovsky	10/	1997	7		
gn	A40	US-	5,689,	815		Ya	mazaki et al.	11/1997				
OU	A41	US-	5,710,	519		Mo	Calpin et al.	1/1998				
7.m	A42	US-	5,732,	334		Mi	yake	3/1998				
50r	A43	US-	5,745,	016	-11	Sal	minen	4/1998				
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1 s	A44	US	-5,757,	226		Ya	mada et al.	5/1	1998			
lar	-A45	US	-5,757,	237		Sta	udinger et al.	5/1	1998			
16 V	A46	US	-5,774,	797		Ka	wano et al.	6/1	1998			
dall	A47	US	-5,777,	519		Sir	nopoulus	7/1998				
Am	A48	US	-5,808,	515		Ts	Tsuruoka et al.		1998		-	
don	A49	US	US-5,834,977		0	Ma	ehara et al.	· 11/	1998			
Om	A50	US	US-5,892,396			An	derson et al.	4/1	1999	8		
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Egn	A53	US	-5,955,	926		Ud	a et al.	9/1	1999		a 3	
dgn	A54	US	-5,986,	509		Lo	hninger	. 11/	1999			
de	A55	US	-5,990,	751	1	Ta	kita	11/	1999	- ·		
50 h	A56	US	-6,034,	519	-	Ya	ng ·	: 3/2	2000			
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100	A58	US	-6,052,	020		Do	yle	4/2000				
lar	A59	US	-6,064,	269	,	Ru	ppel et al.	5/2000		·*		
laco	A60	US	-6,121,	842		Al	derstein et al.	9/2	2000	Y		
111	A61	US	-6,148,	220		Sh	arp et al.	11/2000				
W	A62	US	US-6,150,872			Mo	McNeill et al. 11/20		2000			
Chy	A63	US	US-6,163,706 US-6,201,445			Ro	zenblit et al.	12/2000			1 00.0	
SIM	A64	US				М	orimoto et al.	3/2	2001			
W/r	A65	US	US-6,239,658		Bl	Th	am .	5/2	2001	• • • • • • • • • • • • • • • • • • • •		
Com	A66	US	US-6,242,983		Bl	Sh	iao	6/2001				
5/10	A67	us	US-6,265,943		Bi.	De	ning et al.	7/2	2001			
4)m	A68	us	-6,362,	605	B1	Ma	зу	3/2002				
an a	A69	US	-6,484,	017	Bl	Ki	m	11/2002 3		*	,	
Ban	A70	US	-6,624,	702	\$-	De	ning	9/2003				
an	A71	US	-200300	040343	A1	Ep	person et al.	2/2	2003			
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